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years of service, and for widows and orphaned children, at one half the scale upon which members of the staff are pensioned.

#### SCIENTIFIC NOTES AND NEWS

At its commencement exercises last week Columbia University conferred its doctorate of science on Colonel William C. Gorgas, Assistant Surgeon General U. S. A., and Dr. Alexis Carrel, Rockefeller Institute for Medical Research.

The Medical Society of London, at its meeting on May 19, elected Sir David Ferrier, F.R.S., president, in succession to Sir Watson Cheyne.

Dr. V. F. K. BJERKNES, professor of geophysics in the University of Leipzig, and Dr. Hugo Hergesell, president of the International Commission for Scientific Aëronautics, Strasbourg, have been elected honorary members of the Royal Meteorological Society.

PROFESSOR GEORGE F. SWAIN, professor of civil engineering in the Graduate School of Applied Science at Harvard University, has been chosen chairman of the Boston Transit Commission to succeed the late George G. Crocker.

PROFESSOR CHARLES J. SMITH, for forty-three years head of the department of mathematics in Western Reserve College and Adelbert College, has presented his resignation and will retire from the faculty at the close of the present college year. He served as professor of mathematics and Perkins professor of natural philosophy and astronomy in Western Reserve College from 1870 to 1882, and as professor of mathematics in Adelbert College from 1882 to the present.

ASSISTANT PROFESSOR J. E. READHIMER, superintendent of experiment fields at the University of Illinois since 1901, has entered on his duties as agricultural adviser in Kane County, Illinois. Professor Readhimer began his work at the university when there were no experiment fields in the state outside of Urbana. He has had a part in a great agricultural development in Illinois. As superinten-

dent he has been intimately connected with the development of the experiment fields. He has seen them increase from one (in Urbana) to thirty-five, scattered over the entire state.

GARDNER C. BASSET, Ph.D., of the Johns Hopkins University, in psychology (1913), has been appointed research assistant in the Eugenics Record Office of the Station for Experimental Evolution at Cold Spring Harbor, and will continue the work on the intelligence of inbred white rats begun at Johns Hopkins.

DR. HARRISON J. HUNT, of Island Falls, Maine, has been appointed surgeon to the Crocker Land Expedition which is leaving for the north polar regions on July 2 next, under the auspices of the American Museum of Natural History, the American Geographical Society and the University of Illinois. Dr. Hunt is a graduate of Bowdoin College and medical school and has had eight years' private practise.

THE C. M. Warren committee of the American Academy of Arts and Sciences has increased to two hundred dollars the award to Professor E. W. Washburn, University of Illinois, for his work on the design of an adiabatic calorimeter. Professor H. B. Byers, University of Washington, has recently published two papers on the passivity of iron, dealing with researches which were in part made possible by grants from the Warren fund. This fund was bequeathed to the academy "for the encouragement and advance of research in the science or field of chemistry" and the committee in charge is glad to know of investigations which may properly be aided by it. Professor H. P. Talbot, Massachusetts Institute of Technology, Boston, Mass., is chairman of the committee.

DR. F. D. BARKER, of the department of zoology of the University of Nebraska, has been voted a grant by the trustees of the Bache fund to enable him to continue his study of the parasitic fauna of the Bermudas. Dr. Barker will spend the latter part of this summer and next summer collecting material at Bermuda.

DR. A. C. ABBOTT, Pepper professor of hygiene and bacteriology, University of Pennsylvania, has been appointed a delegate to the fourth International Congress of School Hygiene, to be held at Buffalo, August 25 to 30, next, to represent the University of Pennsylvania and the American Physiological Society.

MR. N. E. HANSEN, secretary of the South Dakota State Agricultural Society, has started on his fourth expedition to Siberia, to gather seed of the Siberian alfalfas which he brought over in 1906 for the first time.

PROFESSOR B. E. LIVINGSTON will spend the summer at the Desert Laboratory of the Carnegie Institution, at Tucson, Arizona, where he may be addressed from June 20 to September 20.

PROFESSOR W. A. HENRY, emeritus professor of agriculture at the University of Wisconsin, and for fifteen years dean of the College of Agriculture, is again at the university after a five months' absence. He is planning the preparation of a new book on agriculture.

DR. E. C. SCHROEDER, pathologist of the Bureau of Animal Industry, delivered the concluding lecture of the annual series under the auspices of the Ohio State University chapter of the Society of Sigma Xi upon the topic, "Relation of Animal to Human Tuberculosis."

DR. OSCAR RIDDLE, of the Carnegie Institution, lectured on May 5 under the auspices of the Cornell Chapter of Sigma Xi on "A Relation between the Storage Metabolism of Ova and the Experimental Control of Sex."

THE Croonian lecture before the Royal Society was delivered by Dr. Robert Broom, keeper of vertebrate paleontology in the South African Museum, on June 5. The subject was "The Origin of Mammals."

THE mathematical works of the late Henri Poincaré are to be published by the firm of Gauthier-Villars, under the auspices of the minister of public instruction and the Paris Academy of Sciences.

PROFESSOR FRANCIS T. HAVARD, associate professor of mining and metallurgy at the University of Wisconsin, died at Madison re-

cently from pneumonia. He was thirty-five years of age and was a native of Australia. He attended universities in Australia and Germany and later had charge of mining interests in South America, Africa and Montana. He became associated with the University of Wisconsin in the fall of 1909.

PROFESSOR HEINRICH WEBER, of Strasburg, died of apoplexy on May 17. He is principally known for his profound work in algebra and at various times was rector of the universities of Königsberg, Marburg and Strasburg. His wife, who died a few years ago, translated Poincaré's "La valeur de la science" into German.

THE regular annual meeting of the American Chemical Society will be held in Rochester, N. Y., September 9-12, inclusive.

A PARTY of advanced students from the department of geology of the University of Illinois, under the leadership of Dr. John L. Rich, left on June 12 for a two-weeks' geological and geographical excursion through neighboring states. The party planned to proceed east to Richmond, Indiana, and Hamilton, Ohio, where a study will be made of the physiography of the district devastated by the recent floods of the Miami River, thence to Cincinnati. From Cincinnati the party will proceed south into the blue grass district of central Kentucky, west to Mammoth Cave, where a stop of two days will be made, and then return to Urbana through Kentucky and Indiana.

ON May 28 an informal meeting was held in the Peabody Museum, Harvard University, and the sod was turned to begin the building of the addition to the Peabody Museum which will complete the entire University Museum as originally planned. A short address written by Professor F. W. Putnam was read by Dr. Charles Peabody. Professor Putnam, unfortunately absent on account of illness, recalled the first ceremony in connection with the beginning of the museum when Governor Banks cut the sod, Professor Louis Agassiz turned it over and Mrs. Agassiz put it into the wheelbarrow. In the present exercises

President Lowell cut the sod which was lifted by Mrs. Henry L. Higginson, a daughter of Professor Louis Agassiz and a sister of the late Professor Alexander Agassiz, '55. After this, George R. Agassiz, '84, and Maximilian Agassiz, '89, followed in turn, as well as a number of other officers of the different departments of the University Museum. The money for the addition has been raised by contribution from friends interested not only in the Peabody Museum, but in the University Museum. The building will be pushed forward with energy and it is hoped that the new space for the collections will be available in the course of nine or ten months.

THE tenth annual session of the Puget Sound Marine Station will convene at Friday Harbor, Washington, on June 23, and will continue for a period of six weeks. The courses to be offered will be as follows: algology, R. B. Wylie, University of Iowa; plant ecology, A. R. Sweetser, University of Oregon; elementary botany, William Moodie, Washington State Normal; elementary zoology, H. B. Duncanson, Nebraska State Normal; general ecology, H. S. Brode, Whitman College; embryology of invertebrates, Wm. J. Baumgartner, University of Kansas; ichthyology, E. V. Smith, University of Washington; advanced ecology, Trevor Kincaid, University of Washington; plankton, John F. Bovard, University of Oregon. Facilities will also be offered for research along botanical and zoological lines. The systematic survey of the local fauna which has been in progress for several seasons will be continued by further deep-water exploration. The director of the station, Professor Trevor Kincaid, of the University of Washington, will be glad to give more extended information to persons planning to visit the laboratory.

#### UNIVERSITY AND EDUCATIONAL NEWS

MR. ANDREW CARNEGIE has undertaken to provide a million dollars for the medical department of Vanderbilt University. Of this sum \$200,000 would be given the university immediately for the erection and equipment of laboratories. The income from the re-

maining \$800,000 would be paid annually for the support of the department through the Carnegie Corporation. A condition of the donation provides that the direction of the educational and scientific work of the department be committed by the board of trustees to a small board of seven members, three of whom shall be eminent in medical and scientific work.

MESSRS. JAMES B. and BENJAMIN N. DUKE have given \$800,000 more to Trinity College in North Carolina. The college thus met the \$150,000 promised by the Rockefeller Foundation and has added one million dollars to its endowment.

GOVERNOR SULZER has signed a bill appropriating \$250,000 for a building for the State College of Agriculture at Syracuse University. Plans for the building are in the hands of the state architect and ground for the building will be broken early in the summer. The building will be located on the western end of the university campus, and when completed will be the largest and best equipped forestry building in the United States. Provision will be made in the basement of the building for laboratories for timber-testing and for investigations in the production of paper pulp and in the destructive distillation of timber. That is, there will be in a simple and miniature way complete paper-making and acid plants. With this will be a very complete wood-working shop where students may get acquainted with woods from the builder's standpoint. Besides offices, class-rooms and laboratories, there will be an auditorium on the third and fourth floors with a seating capacity of 1,000. Such closely related lines as forest botany, forest zoology and forest entomology will be taken care of in especially equipped laboratories.

THAT the University of Wisconsin has 5,970 students at Madison this year and 5,523 enrolled in correspondence-study courses—a total of 11,493—is shown by the new catalogue of the university which came from press this week. Every college in the university except the College of Engineering shows a gain. The College of Agriculture, with a gain of 108 students over last year's enrollment of 743,